

WHAT IS CLAIMED IS:

1. A simulation apparatus comprising:

an output data setting section for setting data, which  
5 is output to a control target during execution of simulation;

a data output section for supplying the control target  
with output data created on the basis of the data set through  
the output data setting section;

a storage section; and

10 an event data storage section for storing into the storage  
section as event data:

a time when the setting operation is carried out;

a value of the data at the time; and

information about the data,

15 when setting operation of the data through the output data  
setting section is detected.

2. The simulation apparatus according to claim 1,  
further comprising:

20 an event playback section for:

reading the event data stored in the storage  
section;

supplying the control target with output data  
created on the basis of based on analysis of the event

25 data; and

playing back the setting operation indicated by  
the event data.

3. The simulation apparatus according to claim 2,  
5 wherein the event playback section starts playing back the  
setting operation at timing indicated by a user.

4. The simulation apparatus according to claim 2,  
wherein the event playback section starts playing back the  
10 setting operation automatically when predetermined data is  
detected.

5. The simulation apparatus according to claim 2,  
further comprising:  
15 a waiting time setting section for setting a waiting time  
till starting playing back the setting operation,  
wherein the event playback section starts the playback  
when the waiting time set by the waiting time setting section  
has passed.

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6. The simulation apparatus according to claim 2,  
further comprising:

a playback number setting section for setting number of  
repetition times according to which the event playback section  
25 play back the setting operation,

wherein the event playback section plays back the setting operation repeatedly the number of repetition times set by the playback number setting section.

5           7.     The simulation apparatus according to claim 1, further comprising:

          an event data editing section for editing the event data stored in the storage section.

10           8.     The simulation apparatus according to claim 7, wherein:

          the event data editing section includes a signal waveform editing section for editing the read event data into a predetermined signal waveform; and

15           the signal waveform editing section includes a signal waveform registration section for registering the event data edited through the signal waveform editing section as signal waveform data.

20           9.     The simulation apparatus according to claim 2, further comprising:

          an event data editing section for editing the event data stored in the storage section.

25           10.    The simulation apparatus according to claim 9,

wherein:

the event data editing section includes a text data editing section for editing the read event data into predetermined data; and

5 the event playback section plays back the setting operation indicated by the event data edited through the text data editing section.

11. An operation information storage method for storing  
10 information of data subjected to setting operation through a data setting section for setting data, which is output to a control target during execution of simulation, the method comprising storing:

a time when the setting operation is carried out;  
15 a value of the data at the time; and  
information about the data,  
as event data when setting operation of the data through the output data setting section is detected.

20 12. A simulation apparatus comprising:  
a data setting section for allowing a user to set first data;  
a data output section for supplying a control target with second data created based on the first data;  
25 a storage section; and

an event data storage section for storing into the storage section as event data:

a time when the setting operation is carried out;

a value of the data at the time; and

5 information about the data,

when setting operation of the data through the data setting section is detected.

13. An operation information storage method comprising  
10 storing:

a time when the setting operation is carried out;

a value of the data at the time; and

information about the data,

as event data when setting operation of the data, which is output  
15 to a control target, through a data setting section is detected.